

ABSTRACT

Travel amount detecting means 10 for detecting the travel amount of a plunger 4b, distal end detecting means 11 for detecting the fact that the plunger 4b has moved to the distal end of a syringe 4, distance measuring means for measuring the travel distance of the plunger 4b, input means 13 capable of inputting the capacity of the syringe 4, and storage means 14 capable of storing the measured travel distance of the plunger 4b and the input capacity of the syringe 4 are provided. The control means 16 selects the travel distance of the plunger 4b corresponding to the input capacity from the storage means 14 and controls the injection of a chemical solution in the syringe 4 accomplished via plunger pressing means based on the travel distance of plunger and the capacity of syringe. Thereby, a syringe pump can be provided which can be used for a syringe that is sold newly or a syringe with a dimension changed by design change or remodeling.